

Converting Colors

XYZ(24.4719, 39.0883, 6.8586)

Have a look what the booklet for
XYZ(24.4719, 39.0883, 6.8586)
contains.

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Color

**XYZ(24.4434, 38.9672,
6.8492)**

Conversions

Conversions Part 1

Format	Color
Hex	6FBB13
RGB	111, 187, 19
RGB Percent	44%, 73%, 7%
CMY	0.5647, 0.2667, 0.9254
CMYK	0.41, 0.00, 0.90, 0.27
HSL	87°, 82%, 40%
HSV	87°, 90%, 73%
XYZ	24.4434, 38.9672, 6.8492
YIQ	145.1240, 8.6320, -68.3600

Conversions

Conversions Part 2

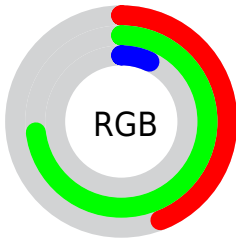
Format	Color
RYB	19, 187, 95
Decimal	7322387
CIELab	68.73, -47.24, 66.54
CIELCh	69, 81.605, 125.373
Yxy	38.9672, 0.3479, 0.5546
Android (android.graphics.Color)	4285512467 (0xFF6FBB13)
YUV	145.1240, -62.1791, -29.9267
Hunter-Lab	62.4237, -39.3458, 37.1912

Details

The XYZ color **24.4434, 38.9672, 6.8492** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **13.9242, 6.4880, 47.5344**, and the grayscale version is **27.2081, 28.6251, 31.1727**.

A 20% lighter version of the original color is **50.3526, 73.7923, 20.1838**, and **9.7528, 17.4789, 2.8597** is the 20% darker color. If you saturate the color by 10%, you get **23.3136, 38.3994, 6.1920**, and if you desaturate by 10%, it is **25.7875, 39.6350, 8.1007**.

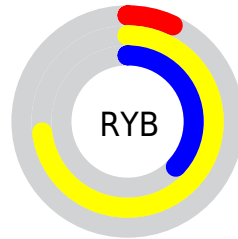
Distribution



Red (44%)

Green (73%)

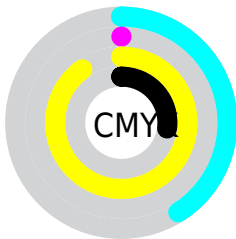
Blue (7%)



Red (7%)

Yellow (73%)

Blue (37%)

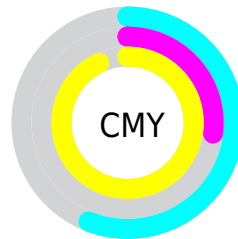


Cyan (41%)

Magenta (0%)

Yellow (90%)

Black (27%)



Cyan (56%)

Magenta (27%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4434, 38.9672, 6.8492 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 24.4434, 38.9672, 6.8492 by changing the saturation by 10% instead.

■ 24.4434, 38.9672,
6.8492

■ 24.4434, 38.9672,
6.8492

267.4536,
341.7510, 175.9878

■ 15.7894, 26.7342,
3.2910

■ 50.2022, 73.5882,
20.1769

■ 9.4651, 17.3737,
1.2451

■ 68.0377, 96.7450,
30.7834

■ 5.1053, 10.5013,
0.0161

■ 89.6645, 124.3119,
44.5764

■ 2.3446, 5.7326,
0.0000

■ 115.4478,
156.6732, 61.9744

■ 0.8173, 2.6832,
0.0000

■ 145.7530,
194.2134, 83.3961

■ 0.0000, 0.9686,
0.0000

■ 180.9454,

■ 0.0000, 0.0000,

237.3168, 109.2598

0.0000

221.3905,
286.3679, 139.9842

■ 24.4434, 38.9672,
6.8492

■ 24.4434, 38.9672,
6.8492

■ 23.3136, 38.3994,
6.1920

■ 25.7875, 39.6350,
8.1007

■ 23.2958, 38.3904,
6.1823

■ 27.3853, 40.4150,
10.1521

■ 29.2605, 41.3182,
13.1100

■ 31.4324, 42.3526,
17.0642

■ 33.9186, 43.5255,
22.0934

■ 36.7347, 44.8435,
28.2687

■ 39.8954, 46.3127,
35.6549

■ 43.4141, 47.9387,
44.3121

■ 47.3038, 49.7269,
54.2963

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.7606, 38.9672, 3.7094



24.4434, 38.9672, 6.8492



18.7416, 38.9672, 19.1606

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



24.4434, 38.9672, 6.8492



27.6245, 38.9672, 145.4461



67.6630, 38.9672, 36.1128

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



24.4434, 38.9672, 6.8492



13.9242, 6.4880, 47.5344

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.5016, 38.9672, 79.4918



24.4434, 38.9672, 6.8492



39.4109, 38.9672, 159.8941

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



24.4434, 38.9672, 6.8492



20.2570, 38.9672, 98.3375



53.3493, 38.9672, 130.8280



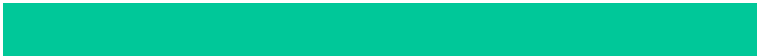
61.1946, 38.9672, 13.1426

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



24.4434, 38.9672, 6.8492



17.3927, 38.9672, 36.9471



53.3493, 38.9672, 130.8280



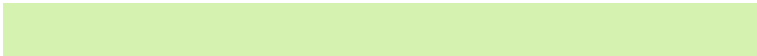
67.7051, 38.9672, 48.4272

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



24.4443, 38.9689, 6.8500



67.0881, 80.9162, 53.5952



24.6692, 18.7264, 2.9310



14.3671, 17.6295, 10.8763



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.4443, 38.9689, 6.8500



41.4441, 68.6112, 11.0590



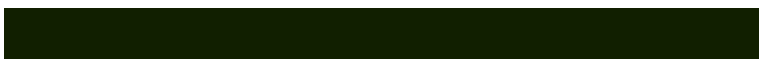
18.3518, 35.8281, 6.5649



9.8946, 10.9001, 10.1591



16.1344, 26.4935, 4.2634



0.7064, 1.0761, 0.1705

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



13.9242, 6.4880, 47.5344



22.4455, 9.7153, 84.8936



27.7023, 13.5908, 48.1792



9.4154, 9.4310, 11.9963



8.8177, 3.8318, 32.6678



0.4208, 0.1890, 1.2831

Previews

White Background



This preview shows how the XYZ color 24.4434, 38.9672, 6.8492 looks on a white background.

Color Contrast Check

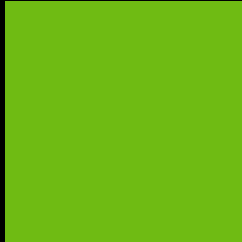
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.4434, 38.9672, 6.8492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.4434, 38.9672, 6.8492

Background



This preview shows how black text looks on a background with the XYZ color 24.4434, 38.9672, 6.8492.



This preview shows how white text looks on a background with the XYZ color 24.4434, 38.9672,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

24.4434, 38.9672, 6.8492

Protanopia

34.6125, 38.3507, 5.8653

Deuteranopia

39.2054, 38.3155, 7.4271



Tritanopia

33.7289, 38.8085, 53.2900

Trichromacy



Original Color

24.4434, 38.9672, 6.8492

Protanomaly

29.7059, 37.7747, 6.1064

Deuteranomaly

31.9180, 37.4844, 6.9918

Tritanomaly

28.2630, 38.0576, 25.9349

Monochromacy



Original Color

24.4434, 38.9672, 6.8492

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

24.4958, 31.0290, 16.5025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4434, 38.9672, 6.8492 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(111, 187, 19)` looks like.

```
.text, #text, p{  
    color:rgb(111, 187, 19)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(111, 187, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 187, 19) }
```

Border

The CSS property to change the border of an element to XYZ 24.4434, 38.9672, 6.8492 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(111, 187, 19) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(111, 187, 19) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(111, 187, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 187, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 187, 19);  
box-shadow:4px 4px 4px 4px rgb(111, 187,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4434, 38.9672, 6.8492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 187, 19) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(111,  
187, 19) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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